

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

#4



Applicants: William L. GOODMAN
Mark SWEENEY

Title: METHOD AND APPARATUS FOR DEMODULATION
OF PHASE SHIFT KEYED SIGNALS

Express Mail No.: EL686796832US

Date of Deposit: 02 October 2000

FIRST INFORMATION DISCLOSURE STATEMENT

Box PATENT APPLICATION

Assistant Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

In accordance with Rules 1.56 and 1.98, Reference AA listed on Form PTO-1449 are cited and discussed on Page 4 of the referenced patent application and are brought to the attention of the Examiner as being possibly material to examination of this application.

The remaining references listed on Form PTO-1449 are also brought to the attention of the Examiner as being possibly material to examination of this application.

Express Mail No.: EL686796832US

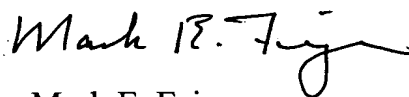
Form PTO-1449 (1 page) is enclosed with a copy of each and every reference cited on Form PTO-1449.

The following co-pending patent applications are also brought to the attention of the Examiner as being possibly material to examination of the subject patent application.

Applicants: William L. GOODMAN
Mark SWEENEY
Title: EFFICIENT TRANSMITTERS FOR
PHASE MODULATED SIGNALS
Express Mail No.: EL686796815US
Date of Deposit: 02 October 2000
Attorney Docket No.: GRI-99-013

Applicants: William L. GOODMAN
Mark SWEENEY
Title: METHOD OF REDUCING NOISE IN A BOREHOLE
ELECTROMAGNETIC TELEMETRY SYSTEM
Express Mail No.: EL686796829US
Date of Deposit: 02 October 2000
Attorney Docket No.: GRI-00-015

Respectfully submitted,



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FORM PTO-1449
(MODIFIED)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

GRI-00-016

SERIAL NO.

LIST OF PRIOR ART CITED BY APPLICANT

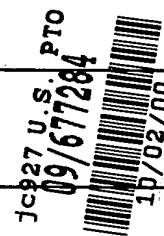
(Use several sheets if necessary)

APPLICANT(S)

William L. GOODMAN et al.

FILING DATE

GROUP

**U.S. PATENT DOCUMENTS**

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	5,912,930	06/1999	Iwasaki			
	AB	4,980,682	12/1990	Klein et al.			
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	AL							
	AM							
	AN							
	AO							
	AP							

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	AR		
	AS		
	AT		

EXAMINER

DATE CONSIDERED

***EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

USCOMM-DC 80-3985

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